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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet 1 of 2

Application Number	10/783,464
Filing Date	02/20/2004
First Named Inventor	Raymond Losi, Jr.
Group Art Unit	3637
Examiner Name	Unknown
Attorney Docket Number	520043-115

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document	Date of Publications of Cited Documents MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number			
W	A1	5,511,572	04/30/1996	Carter	11
	A2	5,490,533	02/13/1996	Carter	11
	A3	5,490,532	02/13/1996	Mallookis et al.	11
	A4	5,485,863	01/23/1996	Carter	11
	A5	5,444,946	08/29/1995	Zeigler	11
	A6	5,423,341	06/13/1995	Brady	11
	A7	5,421,356	06/06/1995	Lynch	11
	A8	5,387,048	02/07/1995	Kuo	11
	A9	5,361,794	11/08/1994	Brady	11
	A10	5,351,701	10/04/1994	Hsiao	11
	A11	5,275,188	01/04/1994	Tsai	11
	A12	5,274,980	01/04/1994	Zeigler	11
	A13	5,244,001	09/14/1993	Lynch	11
	A14	5,035,253	07/30/1991	Bortles	11
	A15	4,947,884	08/14/1990	Lynch	11
	A16	4,929,113	05/29/1990	Sheu	11
	A17	4,924,896	05/15/1990	Carter	11
	A18	4,885,891	12/12/1989	Lynch	11
	A19	4,872,361	10/10/1989	Miller	11
	A20	4,846,204	07/11/1989	Sok Kyu	11
	A21	4,844,109	07/04/1989	Navarro	11
	A22	4,808,023	02/28/1989	Arnold et al.	11
	A23	4,779,635	10/25/1988	Lynch	11
	A24	4,766,980	08/30/1988	Engle	11
	A25	4,689,932	09/01/1987	Zeigler	11
	A26	4,684,280	08/04/1987	Dirkin et al.	11
	A27	4,667,577	05/26/1987	Rösch	11
	A28	4,615,402	10/07/1986	Eisenloeffel	11
	A29	4,607,656	08/26/1986	Carter	11
	A30	4,548,125	10/22/1985	Hüther	11
	A31	4,472,075	09/18/1984	Forni	11

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A32	4,431,331	02/14/1984	Brody	
A33	4,262,460	04/21/1981	Bertin	
A34	4,243,339	01/06/1981	Dickerson	
A35	4,156,433	05/29/1979	Beaulieu	
A36	4,077,418	03/07/1978	Cohen	
A37	4,026,313	05/31/1977	Zeigler	
A38	4,025,208	05/24/1977	Donahue	
A39	3,909,055	09/30/1975	Koppel	
A40	3,844,663	10/29/1974	Prette	
A41	3,526,066	09/01/1970	Hagar et al.	
A42	3,496,687	02/24/1970	Greenberg et al.	
A43	3,375,624	04/02/1968	Mikulín	
A44	3,335,815	08/15/1967	Oakes	
A45	3,199,518	08/10/1965	Glidewell	
A46	3,174,397	03/23/1965	Sanborn	
A47	3,126,815	03/31/1964	May et al.	
A48	2,889,838	06/09/1959	Aviezer et al.	
A49	2,752,213	06/26/1956	Swart et al.	
A50	2,454,483	11/23/1948	Rysick	
A51	2,284,686	06/02/1942	Rupright	
A52	2,243,190	05/27/1941	Capaldo	
A53	1,728,356	09/17/1929	Morgan	
A54	1,712,826	05/14/1929	Hvid	
A55	1,504,889	08/12/1924	Hansen	
A56	1,502,898	07/29/1924	Berg	
A57	1,499,395	07/01/1924	Muehleisen et al.	
A58	1,493,915	05/13/1924	Baker	
A59	1,449,894	03/27/1923	Dial	
A60	1,326,006	12/23/1919	Sterhardt	
A61	1,007,322	10/31/1911	Barnes	
A62	684,130	10/08/1901	Taubert	

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		Office ³	Number ⁴	Kind Code ⁵				
W	B1		DE 1434526		12-19-1968	Nichtnennung	—	
W	B2		UK 672815		05-28-1952	Orchard-Lisle	—	
W	B3		UK 198803		06-14-1923	Appleton	—	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

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